

Docket No. 217 – Development and Management Plan Inspection

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

Date: January 30, 2004

Inspector: Diana Walden

Location: Norwalk Substation Expansion

**Storm/
Rain Event** Traces of precipitation over the past week with 0.26" on 1/27.

Areas of Inspection	Observation	Recommended Action
Access Roads	<ul style="list-style-type: none"> - Extreme freezing conditions have continued to stabilize the entire yard and existing access road and ROW. 1/15-1/30/04 - Conditions are slightly muddy in the very top layer of soil as equipment movement warms the access roads. 1/30/04 - Snow and sand continue to clog up the gravel pads to some degree but there is less tracking on the roadway. 1/30/04 	<ul style="list-style-type: none"> - None at this time. Continue to monitor. 1/15-1/30/04 - None at this time. The amounts of sediment on the roadway are less than last week and it consists of typical road sand 1/30/04
Foundation construction	<ul style="list-style-type: none"> - A majority of the poles have been placed but work continues towards the northern end of the site. 1/30/04 - The foundation work from last week is almost finished and new work continues within the yard. Excavation is controlled and all areas are within the silt fence. 1/30/04 	<ul style="list-style-type: none"> - Continue to monitor any potential impacts to the silt fence during work on the poles and foundations. 1/22-1/30/04

Areas of Inspection	Observation	Recommended Action
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	- Frozen conditions and snow cover at the site continue to prevent potential issues. 1/22-1/30/04	- Overall the site continues to do well with no significant sedimentation or erosion issues. 1/22-1/30/04
	- Silt fence remains in place and is effectively preventing sediment from entering the river. 1/15-1/30/04	- Continue to monitor and maintain as needed. Some spots are very close to the river and will require the most monitoring. 1/15-1/30/04
	-Some areas do require maintenance as the weight of the snow has pulled the fence from the stakes. 1/30/04	The fence should be pulled back up and re-stapled in the necessary areas. Keep up with silt fence repair as needed and be proactive 1/15-1/30/04
	- Topsoil is being stockpiled in large amounts and is contained by the outer barrier of silt fence at this time. 1/15-1/30/04 -The soil is frozen and shows no indication of movement at this time. Silt fence is well in place here. 1/30/04	- The status of the stockpile and the weather will be monitored carefully in the next few months. A second barrier of silt fence should be placed at the toe of the pile at a feasible opportunity between now and a time when thawing begins to occur and rains are forecasted. Portions of the pile may have been utilized by this time. 1/15-1/30/04
	- The temporary sediment basin has been completed and is under snow cover. 1/30/04 - A riprap overflow outlet and overflow pipe have been completed. Silt fence was replaced across this area with an additional haybale check dam in the swale itself. 1/30/04	- Once the basin is in use, monitor outlets for any sediment laden flows 1/30/04 - The silt fence was replaced and is installed well. The area is snow covered and stable at this time. Monitor in the spring following snowmelt. 1/30/04
	- A small pile of snow, stone and sediment had been placed directly over the silt fence. This may have occurred as a result of snow plowing. 1/30/04	- The pile was brought back on the work side of the silt fence almost immediately after observation. 1/30/04

Areas of Inspection	Observation	Recommended Action
Erosion and Sediment Controls contd.	<ul style="list-style-type: none"> - The piles of sediment noted beyond the silt fence at the northern end of the site last week have been pulled back into the work area. 1/30/04 - This is one of the areas that requires some silt fence repair due to the weight of the snow and subsequent equipment movement. 1/30/04 	<ul style="list-style-type: none"> - None at this time. Silt fence will be repaired in this area. 1/30/04
	<ul style="list-style-type: none"> - Excavation of the non-hazardous, contaminated soil is ongoing. The exposed soil is a good distance from the silt fence and is under control at this time. 1/22-1/30/04 - The base of a retaining wall is being constructed in the area where excavation has been completed. 1/30/04 	<ul style="list-style-type: none"> - None at this time. When the excavation is completed in the future, the disturbed soil will be stabilized. 1/22-1/30/04
Inland Wetland and Watercourse encroachment and mitigation	<ul style="list-style-type: none"> - The silt fence remains in place and there are no signs of any sediment beyond the silt fence barrier or within the river 1/22-1/30/04 - Erosion control at the riprap overflow outlet has been replaced, but some other spots along the silt fence require repair. 1/30/04 	<ul style="list-style-type: none"> - Continue to monitor and maintain silt fence as necessary and monitor any flow from the basin outlet. 1/22-1/30/04 - As noted above, the snow/stone pile placed over the silt fence on the river side, is being removed at this time. 1/30/04
State species of concern, threatened and endangered species	<ul style="list-style-type: none"> - No species of concern are located in this area of construction. 	<ul style="list-style-type: none"> - N/A
Vegetative clearing limits (including trees to save or danger trees noted)	<ul style="list-style-type: none"> - Some pruning and selective cutting was necessary along the edge of the river due to branches affecting the wires. 1/30/04 	<ul style="list-style-type: none"> - Removal of any stumps/root systems should not occur as the branches are the issue. Continue to repair the silt fence in the area. 1/30/04

Areas of Inspection	Observation	Recommended Action
	<ul style="list-style-type: none"> - The excavation of the contaminated soil has resulted in more disturbed area on site however, everything is contained appropriately. 1/22-1/30/04 	<ul style="list-style-type: none"> - The areas near the river still appear stable. There is no erosion on the banks or sedimentation. 1/15-1/30/04 - The more vegetation left in place at the river, the more stable the bank will be. 1/30/04
Dewatering	<ul style="list-style-type: none"> - No dewatering activities are occurring at this time 1/30/04 	<ul style="list-style-type: none"> - None at this time 1/30/04
Blasting	<ul style="list-style-type: none"> - No blasting is occurring on site at this time 1/30/04 	<ul style="list-style-type: none"> - None at this time 1/30/04
Spills	<ul style="list-style-type: none"> - One spill was reported to the office this morning prior to inspection. A hose on a crane broke and there was approximately one gallon of hydraulic fluid spilled on the frozen ground up near the Route 7 ramp. 1/30/04 - Absorb-all was placed and then swept up, along with the very top layer of snow/soil. An original layer of absorbent pads were placed and then removed and a fresh layer is in place. 1/30/04 - The entire area is slated for excavation and removal next week as it is considered with the contaminated soil area. 1/30/04 	<ul style="list-style-type: none"> - The contractors should remain vigilant about securing and handling fuel containers due to the sensitivity of the area - Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site. - The practice of using “diapers” is highly encouraged for any vehicle or equipment with a known leak. - Report spills to the office immediately, even if they are being controlled.

Areas of Inspection	Observation	Recommended Action
Additional/Miscellaneous Observations	<p>- If any plowing is necessary, snow will remain on the work side of the silt fence and will not be deposited closer to the river.</p> <p>- Excavation of the contaminated soil is now ongoing. Approximately one third of sediment have been driven off site appropriately. 1/30/04</p>	

Next likely scheduled inspection:

Wednesday February 4, 2004

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

Inspector's Signature:

Diana L Walden



VIEW OF PRECAST FOUNDATIONS INSTALLED OUTSIDE OF THE SUBSTATION YARD. THE EXCAVATION HERE IS COMPLETE BUT IT CONTINUES WITHIN THE YARD. 1/30/04



ADDITIONAL PRUNING AND BRANCH CLEARING WAS NECESSARY NEAR THE RIVER BANK AS THEY WERE INTERFERING WITH THE OVERHEAD WIRES. 1/30/04



VIEW OF THE RIPRAP OVERFLOW OUTLET FROM THE SEDIMENT BASIN, COMPLETED AND WITH EROSION CONTROL BACK IN PLACE. 1/30/04



VIEW OF SEVERAL LOCATIONS WHERE WEIGHT OF SNOW AND SUBSEQUENT EQUIPMENT MOVEMENT TORE THE SILT FENCE FROM THE STAKES. ALL FENCING WILL BE REPAIRED. 1/30/04



VIEW OF SNOW/STONE PILE PLACED OVER THE SILT FENCE- LIKELY WHEN SNOW PLOWING. IT WAS BROUGHT BACK INTO THE WORK AREA IMMEDIATELY. 1/30/04



VIEW OF SOIL EXCAVATION AREA AND THE FOUNDATION FOR ONE OF THE
RETAINING WALLS 1/30/04



VIEW OF AREA UNDER CRANE WHERE THE SMALL SPILL TOOK PLACE. A SECOND
LAYER OF ABSORBENT PADS ARE STILL IN PLACE. 1/30/04